AMENDMENTS TO CLAIM

Please amend the claims as set forth below. A listing of all pending claims is presented below.

1. (Currently amended) A light heating apparatus having a flash lamp, a casing surrounding the flash lamp, a stage where a substrate is placed, and a power feeding apparatus for controlling emission of light from the flash lamp, wherein a B/A is greater than 1.0 wherein integrated radiant intensity of the light in a range of 220 to 370 nm wavelength is represented as A and integrated radiant intensity of the light in a range of 370 to 800 nm wavelength is represented as B.

2. (Original) The light heating apparatus according to claim 1, the light from the flash lamp is emitted on the substrate through a light-transmitting member.

3. (Original) The light heating apparatus according to claim 1, further including a pre-heating lamp.

4. (Original) The light heating apparatus according to claim 2, wherein the light-transmitting member is airtight.

5. (Original) The light heating apparatus according to claim 2, wherein light emission density on the surface of the stage is more than 20 J/cm^2.

6. (Currently amended) A light heating apparatus comprising:

a flash lamp that emits light on a substrate; and

a stage where the substrate is placed,

wherein a B/A is greater than 1.0 wherein integrated radiant intensity of the light in a range of 220 to 370 nm wavelength is represented as A and integrated radiant intensity of the light in a range of 370 to 800 nm wavelength is represented as B.

7. (Currently amended) A method for emitting light on a substrate, comprising the steps of:

placing ~~the~~ a substrate on a predetermined place; and

emitting light on the substrate;

wherein a B/A is greater than 1.0 wherein integrated radiant intensity of the light in a range of 220 to 370 nm wavelength is represented as A and integrated radiant intensity of the light in a range of 370 to 800 nm wavelength is represented as B.

8. (Original) The method for emitting light on a substrate according to claim 7, in the step of emitting light, the light passes through a light transmitting member.

9. (Original) The method for emitting light on a substrate according to claim 8, wherein light emission density on the substrate is more than 20 J/cm^2.

10. (Currently amended) The method for emitting light on a substrate according to claim ~~1~~ 7, further including a step of pre-heating the substrate.